

Title (en)
USER TERMINAL AND WIRELESS COMMUNICATIONS METHOD

Title (de)
BENUTZERENDGERÄT UND DRAHTLOSKOMMUNIKATIONSVERFAHREN

Title (fr)
TERMINAL UTILISATEUR ET PROCÉDÉ DE COMMUNICATIONS SANS FIL

Publication
EP 3637933 A4 20201216 (EN)

Application
EP 17912711 A 20170608

Priority
JP 2017021397 W 20170608

Abstract (en)
[origin: EP3637933A1] The present invention is designed to perform repetition transmissions of UL grant-free transmission properly. According to one aspect of the present invention, a user terminal includes a transmission section that performs UL grant-free transmission, in which UL data is transmitted without a UL transmission command from a radio base station, and a control section that controls repetition transmissions of the UL grant-free transmission, and the control section controls selection of time resources for performing the UL grant-free transmission based on the number configured for the repetition transmissions and whether the UL grant-free transmission is possible or not.

IPC 8 full level
H04W 74/08 (2009.01); **H04W 72/02** (2009.01)

CPC (source: EP US)
H04L 1/08 (2013.01 - US); **H04W 72/02** (2013.01 - EP); **H04W 74/08** (2013.01 - EP US)

Citation (search report)

- [Y] HUAWEI ET AL: "Grant-free transmission for UL URLLC", vol. RAN WG1, no. Hangzhou, China; 20170515 - 20170519, 14 May 2017 (2017-05-14), XP051272149, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/Meetings_3GPP_SYNC/RAN1/Docs/> [retrieved on 20170514]
- [Y] LENOVO ET AL: "HARQ design for UL grant-free URLLC transmission", vol. RAN WG1, no. Athens, Greece; 20170213 - 20170217, 12 February 2017 (2017-02-12), XP051209814, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/Meetings_3GPP_SYNC/RAN1/Docs/> [retrieved on 20170212]
- [Y] INTEL CORPORATION: "On UL grant free transmissions", vol. RAN WG1, no. Hangzhou; 20170515 - 20170519, 7 May 2017 (2017-05-07), XP051263064, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_89/Docs/> [retrieved on 20170507]
- [A] CATT: "Further details of UL grant-free transmission for URLLC", vol. RAN WG1, no. Hangzhou, China; 20170515 - 20170519, 14 May 2017 (2017-05-14), XP051272719, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/Meetings_3GPP_SYNC/RAN1/Docs/> [retrieved on 20170514]
- See references of WO 2018225230A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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EP 3637933 A1 20200415; **EP 3637933 A4 20201216**; CN 110999501 A 20200410; CN 110999501 B 20231107; JP 7053606 B2 20220412; JP WO2018225230 A1 20200409; US 2020092910 A1 20200319; WO 2018225230 A1 20181213

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EP 17912711 A 20170608; CN 201780093665 A 20170608; JP 2017021397 W 20170608; JP 2019523303 A 20170608; US 201716620164 A 20170608